



**NIST**  
National Institute of Standards and Technology



#### Opening speaker

**Colette Maloney, Head of Unit "Cognitive Systems and Robotics", European Commission**

#### Related Events

#### Location

Washington, D.C.  
(The workshop will be held at NIST, Gaithersburg MD 20899)

#### Contact Details

**Patrick Courtney**  
PerkinElmer UK  
NIST, U.S.A.  
[Patrick.courtney@perkinelmer.com](mailto:Patrick.courtney@perkinelmer.com)

Further information on the EU projects  
Can be found at [www.eucognition.org](http://www.eucognition.org)

# Cognitive systems of EU cognition programme

Organizer: Patrick Courtney

## A Special Session at the Performance Metrics for Intelligent Systems Workshop

August 19—21, 2008

[http://www.isd.mel.nist.gov/PerMIS\\_2008/](http://www.isd.mel.nist.gov/PerMIS_2008/)

## Call for Papers

PerMIS'08 will be the eighth in the series that started in 2000, targeted at defining measures and methodologies of evaluating performance of intelligent systems. The workshop has proved to be an excellent forum for discussions and partnerships, dissemination of ideas, and future collaborations in an informal setting. Attendees usually include researchers, graduate students, practitioners from industry, academia, and government agencies.

A significant research programme in cognitive systems is now underway within the European Union with some €200M committed. This programme focuses on developing the technology and the necessary scientific understanding to provide significant levels of autonomy and decision making into computer-based systems. Active research approaches in the area range broadly, from traditional rule-based AI, through to connectionist, dynamical and emergent systems and include embodied systems combining computing and robotic systems.

One major practical motivation for the development of cognitive systems is to overcome the problems faced by traditional computer systems in dealing robustly with the uncertainties and changing demands that characterise the real world. Potential applications cited span a very broad range and have included care-giver robots, and easier-to-use interfaces. One major approach that has emerged has been in the use of open source platforms in order to share experiences and run larger scale experiments.

This special session is dedicated to the development of the tools and methodologies that are in development within the EU, with an emphasis on the open source approaches with a view to performance analysis and comparison, and to stimulate discussion over cooperative research especially use of open platforms

#### Submission Information

Prospective authors are requested to submit a draft paper (max. 8 pages) or an extended abstract (2 pages) for review. All submissions must be written in English,

Papers are to be submitted directly to the organizers using the specified templates at [www.isd.mel.nist.gov/PerMIS\\_2008/submission.htm/](http://www.isd.mel.nist.gov/PerMIS_2008/submission.htm/).

#### Important Dates

Submission of extended abstracts/full papers	June 25, 2008
Notification of acceptance	July 11, 2008
Final papers due	July 25, 2008